THE 1981 DEUEL CONFERENCE ON LIPIDS

DIETARY FACTORS: EFFECTS UPON LIPID METABOLISM

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March 11, 1981 to March 14, 1981

Highlands Inn, Carmel, California

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PROGRAM

Wednesday, March 11
6:00 p.m.
WINE TASTING AND DINNER
HIGHLANDS INN

Thursday, March 12

POLYUNSATURATED FAT IN THE DIET: ω-3 AND ω-6 FATTY ACIDS (PLASMA LIPOPROTEINS, MEMBRANES, CELLULAR FUNCTION AND PROSTAGLANDINS)

9:00 a.m. – 12:30 p.m.
Chairman: *James Mead*

Polyunsaturated Fatty Acid Metabolism and Conversion to Prostaglandins
Howard Sprecher

The Role of ω-3 and ω-6 Fatty Acids in Cellular Function (Prostaglandin and Leucotriene Synthesis)
J. Martin Bailey

Discussion

The Essentiality of Dietary ω-3 Fatty Acids? – Current Evidence
Joan Tinoco

ω-3 Fatty Acid Deficiency in Humans
Ralph Holman

Discussion

5:30 p.m.
DINNER

7:00 p.m. – 10:00 p.m.
Chairman: *John Glomset*

Dietary ω-3 Fatty Acids, Plasma Lipids, Platelet Function and Prostaglandins in Greenland Eskimos
Jørn Dyerberg

Discussion

The Feeding of Dietary ω-3 Fatty Acids from Fish to Humans: Plasma Lipids, Lipoproteins, and Sterol Balance
William Connor

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Dietary ω-3 Fatty Acids and Platelet Function
Scott Goodnight

Discussion

Friday, March 13
9:00 a.m. – 12:30 p.m.
Chairman: *Michael Schotz*

The Metabolism of Polyunsaturated Fatty Acids in Membranes
James Mead

Discussion

The Turnover of LDL and Lipoprotein Changes After ω-6 Polyunsaturated Fat Feeding
D. Roger Illingworth

The Transport and Relationship of Dietary Polyunsaturated Fatty Acids and Brain Fatty Acids
Govind Dhopeshwarkar

Discussion

5:30 p.m.
DINNER

DIETARY STEROLS, SATURATED FAT AND CALORIE BALANCE (ABSORPTION, TRANSPORT AND CELLULAR RESPONSE)

7:00 p.m. – 10:00 p.m.
Chairman: *Scott Grundy*

The Absorption of Marine Lipids
George Vahouny

Dietary Saponins, Cholesterol Absorption and Sterol Balance
Rene Malinow

Discussion

Dietary Cholesterol: High and Low Responders
Fred Mattson

Saturated Fat in the Diet and Physical-Chemical Alterations of Chylomicrons and VLDL
Donald Puppione and Donald Small

Discussion

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10:00 p.m.
SOCIAL HOUR: WINE TASTING

Saturday, March 14
9:00 a.m. – 12:30 p.m.
Chairman: *Donald Small*

The Cellular Uptake of Diet-Induced Beta VLDL: Studies in Macrophages
Robert Mahley

Dietary Saturated Fat and Lipoprotein Subclasses
Ronald Krauss

Effects of Weight Reduction Upon the Plasma Lipoproteins
Scott Grundy

Discussion

Chylomicron Apoprotein B Turnover in Humans
William Hazzard

Intestinal versus Hepatic Sources of Apoprotein B in the Rat and Man
John Kane

Discussion

PARTICIPANTS AND INVITED GUESTS

Dr. S. Abraham, Children's Hospital Medical Center, Oakland
Dr. Roslyn B. Alfin-Slater, University of California, Los Angeles
Mr. Alfred W. Alberts, Merck Sharp & Dohme Research Laboratories, Rahway
Dr. Gerd Assmann, Zentrallaboratorium der Universitätskliniken, Münster, West Germany
Dr. John Martyn Bailey, George Washington Medical School, Washington, D.C.
Dr. Nome Baker, Veterans Administration Wadsworth Medical Center, Los Angeles
Dr. Thomas Bersot, Gladstone Foundation Laboratories, San Francisco
Dr. Edwin L. Bierman, University of Washington, Seattle
Dr. Michael Ian Bird, University of California, Berkeley
Dr. Marian C. Cheung, University of Washington, Seattle
Dr. Marian Tolbert Childs, University of Washington, Seattle
Dr. Emile Choné, Centre Technique Interprofessionnel des Oléagineux Métropolitains, Paris

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Dr. Allen D. Cooper, Stanford University, Stanford
Dr. Paul Davis, University of California, Berkeley
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Dr. Howard Eder, Albert Einstein College of Medicine, Bronx
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Dr. James M. Felts, Veterans Administration Hospital, San Francisco
Dr. Alan Fogelman, University of California, Los Angeles
Dr. Trudy Forte, University of California, Berkeley
Dr. David M. Foster, University of Washington, Seattle
Dr. J. Frohlich, Shaughnessy Hospital, Vancouver, British Columbia
Dr. Robert H. Furman, Eli Lilly and Company, Indianapolis
Dr. John Glomset, University of Washington, Seattle
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Dr. Ralph T. Holman, University of Minnesota Hormel Institute, Austin
Dr. U. M. T. Houtsmiller, Unilever Research Laboratories, The Netherlands
Dr. Valeria Quesney Huneeus, University of California, San Francisco
Dr. Roger Illingworth, University of Oregon Health Sciences Center, Portland
Dr. Ronald J. Jandacek, Procter & Gamble's Miami Valley Laboratories, Cincinnati
Dr. Albert L. Jones, Veterans Administration Medical Center, San Francisco
Dr. Talwinder S. Kahlon, University of California, Berkeley
Dr. John Kane, University of California, San Francisco
Dr. Antero Kesaniemi, La Jolla Veterans Administration Hospital, San Diego
Dr. Ronald M. Krauss, University of California, Berkeley
Dr. Anant S. Kulkarni, G. D. Searle & Company, Skokie
Dr. Steve Kunitake, University of California, San Francisco
Dr. Rampratap S. Kushwaha, University of Washington, Seattle
Dr. Aurora M. Landel, City of Hope National Medical Center, Duarte

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Dr. Renee LeBoeuf, University of California, Los Angeles
Professor LeMarchal, Cetiom, Paris
Dr. Robert Levy, National Heart, Lung and Blood Institute, Bethesda
Dr. Frank Lindgren, University of California, Berkeley
Dr. Richard E. Litov, Mead Johnson Nutritional Division, Evansville
Dr. Rene Malinow, Oregon Regional Primate Research Center, Portland
Dr. Robert W. Mahley, Gladstone Foundation Laboratories, San Francisco
Dr. Fred H. Mattson, University of California, San Diego
Dr. James F. Mead, Laboratory of Nuclear Medicine and Radiation Biology, Los Angeles
Dr. Francois Mendy, Laboratoires Sopharga, Puteaux, France
Dr. Erwin Mosbach, Beth Israel Medical Center, New York
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